

### **ABSTRACT**

An optical disc apparatus includes a disc motor operable to rotate an optical disc, a traverse operable to move an optical beam spot which is irradiated on the optical disc in the radius direction of the optical disc, and a linear velocity operation unit operable to detect the linear velocity of the optical beam spot. The optical disc apparatus also includes a disc motor control unit operable to control the disc motor so that the linear velocity detected by the linear velocity operation unit remains roughly invariable in an arbitrary radius location on the optical disc when information recorded on the optical disc is read out, and a search control unit and a location profile adjustment unit operable to control the traverse so as to prevent the linear velocity from decreasing to the permissible linear velocity or below when the optical beam spot is moved by the traverse.